



Patent
Attorney Docket No. 024445-377

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Horling, Anders et. al.

Application No.: 10/653,244

Filing Date: September 3, 2003

Title: Precipitation Hardened Wear Resistant Coating

Group Art Unit: 1772

Examiner: Unassigned

Confirmation No.: 2817

SECOND
INFORMATION DISCLOSURE STATEMENT
TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed is a **SECOND** Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge _____ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of _____ is enclosed for the fee due.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

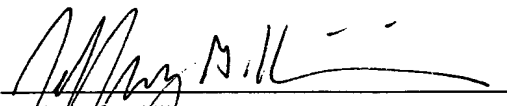
Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

P.O. Box 1404
Alexandria, Virginia 22313-1404
(703) 836-6620

Date: March 24, 2004

By


Jeffrey G. Killian
Registration No. 50,891



Attorney's Docket No. 024445-377

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)	
Horling, Anders et. al.)	Group Art Unit: 1772
Application No.: 10/653,244)	Examiner: Unassigned
Filed: September 3, 2003)	Confirmation No.: 2817
For: Precipitation Hardened Wear Resistant)	
Coating)	

SECOND INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

Also enclosed is a copy of the European Search Report issued in connection with the corresponding Swedish application. Some of the references listed on the Search Report were cited in a previous Information Disclosure Statement, including US 5,330,853. Cited EP 0947607 is a family member of previously submitted US 6,254,984, and cited EP 0592986 is a family member of previously submitted US 5,503,912.

The documents are being submitted within three (3) months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later. Since these documents are being filed within the time period set forth in 37 C.F.R. § 1.97(b), no fee or statement is required.

SECOND Information Disclosure Statement

Application No. 10/653,244

Attorney's Docket No. 024445-377

Page 2

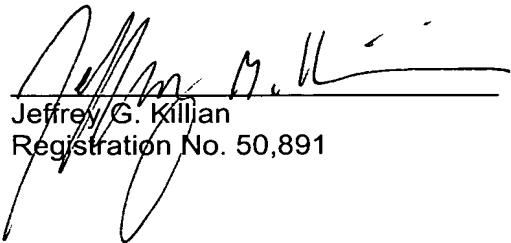
To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date March 24, 2004

By:


Jeffrey G. Killian
Registration No. 50,891

P.O. Box 1404
Alexandria, Virginia 22313-1404
(703) 836-6620

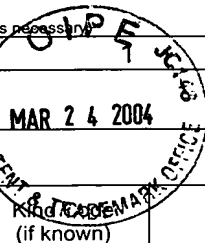
SECOND INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

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of

**Complete if Known**

Application Number	10/653,244
Filing Date	September 3, 2003
First Named Inventor	Horling, Anders et. al.
Examiner Name	Unassigned
Attorney Docket Number	024445-377

U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
	2002/028323	A1	NAKAMURA et al.	03-07-2002

FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	Translation	
					Yes	No

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	L. KARLSSON et al., "Influence of residual stresses on the mechanical properties of $\text{TiC}_x\text{N}_{1-x}$ ($x = 0, 0.15, 0.45$) thin films deposited by arc evaporation", <i>Thin Solid Films</i> , 371 (2000) pp. 167-177.
	S. MENZEL et al., "Phase transitions in PACVD-(Ti,Al)N coatings after annealing", <i>Surface and Coatings Technology</i> , 124 (2000), pp. 190-195.

Examiner Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.